

**Claims:**

Claim 1-15 (cancelled)

- 5        16 (new). A system of Internet based time distributed two-way personal mobile communication, comprising:
- one Time Distributed Message Network (TDMN) running on Internet;
  - a plurality of wireless Access Points (APs) connecting to Internet;
  - a plurality of Personal Mobile Access Device (PAMD);
- 10        Wherein said TDMN is a group of server means operating on Internet;
- Wherein said wireless Access Point (AP) is a wireless networking device;
- Wherein said PAMD is personal mobile communication device with user and media interfaces;
- 15        Wherein said PAMD also has wireless networking means to communicate with said APs;
- Wherein said PAMD comprising operational means to join said TDMN for communication via Internet connection;
- 20        Wherein one of said a plurality of PAMD is communicating with remote other one of said a plurality of PAMD via said TDMN;
- Wherein said TDMN manages communication among said a plurality of PAMDs; and
- Wherein said TDMN and said a plurality PAMDs running correspondent operation means for joining network and
- 25        communication.

17 (new) The Time Distributed Message Network (TDMN) of claim 16, wherein said TDMN comprising TDMN operation means:

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Servers (AS) connecting to Internet;

of Access Point (APs) of claim 16 via Internet;

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connections;

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communication among said PAMDs in time distributed method;

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distributed, and

wherein said data packaging means package data source into a plurality of Time Distributed Message Units (TDMUs).

20(new), The PAMD of claim 19, comprising:

- 5           means to convert the data resource to be transferred in to TDMU;  
          means to convert the received TDMU into original data format;  
          and  
          means to control the communication with other PAMD of claim 19.

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21 (new). The system of Internet based time distributed two-way personal mobile communication of claim 16, wherein a plurality of PAMDs of claim 16 can perform group communication.

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22 (new). Method of time distributed two-way mobile message communication over Internet according to claim 16 comprising:

- operating TDMN of claim 16, wherein said TDMN operation means  
          control the access of a plurality of PAMDs of claim 16, wherein  
          TDMN manage the communication among said PAMDs, wherein  
20       said TDMN operation means ensures message exchange among  
          said PAMDs;

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          having first of said a plurality of PAMDs networking wirelessly to one  
          of a plurality APs of claim 16 to establish Internet connection and  
          then join said TDMN,

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          having second of said a plurality of PAMDs networking wirelessly to  
          one of said a plurality of APs to establish Internet connection and  
          then join said TDMN,

          establishing communication between said first and second PAMD via  
          said TDMN, and

communicating messages among said first and second PAMD via  
said TDMN.

5           23(new) The method of claim 21, whereby TDMN store all the  
undelivered messages for the receiving PAMD when the  
communication of said receiving PAMD with said TDMN is not  
available, and whereby said TDMN continue to delivery said stored  
messages to said receiving PAMD when said receiving PAMD re-  
establishes communication with said TDMN.

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24(new) The method of claim 21, wherein said message communication  
among said first and second PAMD via TDMN is on time distributed  
method

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25(new) The method of claim 21, wherein TDMN operation means  
guarantee the sending and receiving of messages among the a  
plurality of PAMDs.

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26(new) The method of claim 21, wherein PAMD packages source date  
into TDMU of claim 19 to transmit and receive among PAMD and  
TDMN over Internet.

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27 (new). Method of group time distributed two-way mobile message  
communication over Internet according to claim 22, wherein a  
plurality of PAMDs of claim 16 joining an operating TDMN of claim 16  
performing group communication among each other.